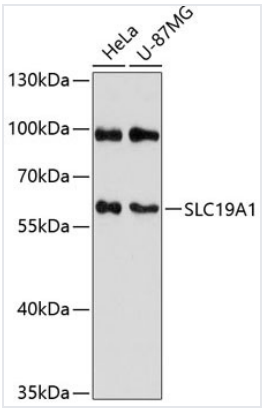
SLC19A1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC19A1, Polyclonal Antibody
Full Product Name	SLC19A1 Polyclonal Antibody
Product Gene Name	anti-SLC19A1 antibody
Product Synonym Names	SLC19A1; CHMD; FOLT; IFC1; REFC; RFC1; folate transporter 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated MW: 54kDa/60kDa/64kDa Observed MW: 65kDa
OMIM	U15939 mRNA
3D Structure	ModBase 3D Structure for P41440
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 452-591 of human SLC19A1 (NP_919231.1).
Product Categories/Family for anti-SLC19A1 antibody	Primary antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLC19A1 antibody	Western Blot (WB)
Application Notes for anti-SLC19A1 antibody	Recommended dilution: WB: 1:500 - 1:1000
Related Product Information for anti-SLC19A1 antibody	The membrane protein encoded by this gene is a transporter of folate and is involved in the regulation of intracellular concentrations of folate. Three transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-SLC19A1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SLC19A1 purchase	MBS9132632 is an antibody targeting SLC19A1. Also known as SLC19A1 Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SLC19A1 antibody
Western blot analysis of extracts of various cell lines, using SLC19A1 antibody (MBS9132632) at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 90s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC19A1. It may not necessarily be applicable to this product.

NCBI GI #	12643280
NCBI GeneID	6573
NCBI Accession #	P41440.3
UniProt Primary Accession #	P41440
UniProt Secondary Accession #	O00553; O60227; Q13026; Q9BTX8; B2R7U8; B7Z8C3; E9PFY4
UniProt Related Accession #	P41440
NCBI Official Full Name	Folate transporter 1
NCBI Official Synonym Full Names	solute carrier family 19 member 1
NCBI Official Symbol	SLC19A1
NCBI Official Synonym Symbols	CHMD; FOLT; IFC1; REFC; RFC1
UniProt Protein Name	Folate transporter 1
UniProt Synonym Protein Names	Intestinal folate carrier 1; IFC-1; Placental folate transporter; Reduced folate carrier protein; RFC; Solute carrier family 19 member 1
UniProt Gene Name	SLC19A1
UniProt Synonym Gene Names	FLOT1; RFC1; FOLT; IFC-1; RFC
NCBI Protein Information	folate transporter 1
UniProt Comments for SLC19A1	SLC19A1: a transporter protein. Transports reduced folate, antitumor agents and folate antagonists such as methotrexate. Apparently involved in methotrexate resistance in various cancers and neural tube defects. Protein type: Membrane protein, integral; Membrane protein, multi-pass; Transporter; Transporter, SLC family Chromosomal Location of Human Ortholog: 21q22.3 Cellular Component: apical plasma membrane; basolateral plasma membrane; plasma membrane Molecular Function: folic acid binding; folic acid transporter activity; methotrexate transporter activity; reduced folate carrier activity Biological Process: folic acid metabolic process; folic acid transport; methotrexate transport

Research Articles on SLC19A1	**1.** Cognition of adults aged from 55 to 90 was associated with MTHFR, SLC19A1 gene polymorphism and serum homocysteine levels.
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